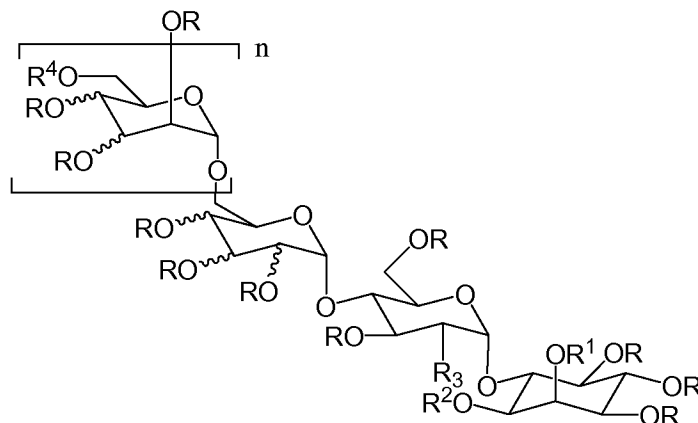


In the Claims:

1. **(previously presented)** A compound represented by formula I:



I

wherein,

n is 1, 3, or 4;

R represents independently for each occurrence H, alkyl, aryl, -CH₂-aryl, -C(O)-alkyl, -C(O)-aryl, or -Si(alkyl)₃;

R¹ and R² are independently H, -CH₂-aryl, -C(O)-alkyl, -C(O)-aryl, -Si(alkyl)₃; or R¹ and R² taken together are C(CH₃)₂, P(O)OH, or P(O)OR⁵;

R³ is amino, -N₃, or -NH₃X;

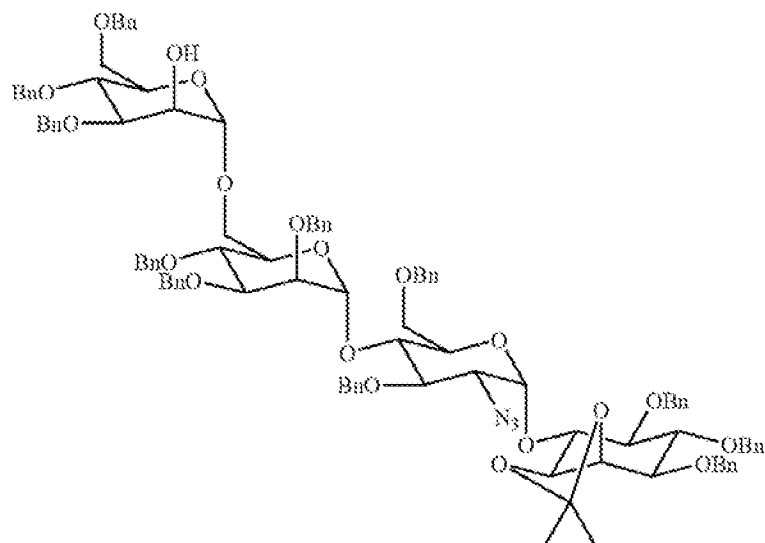
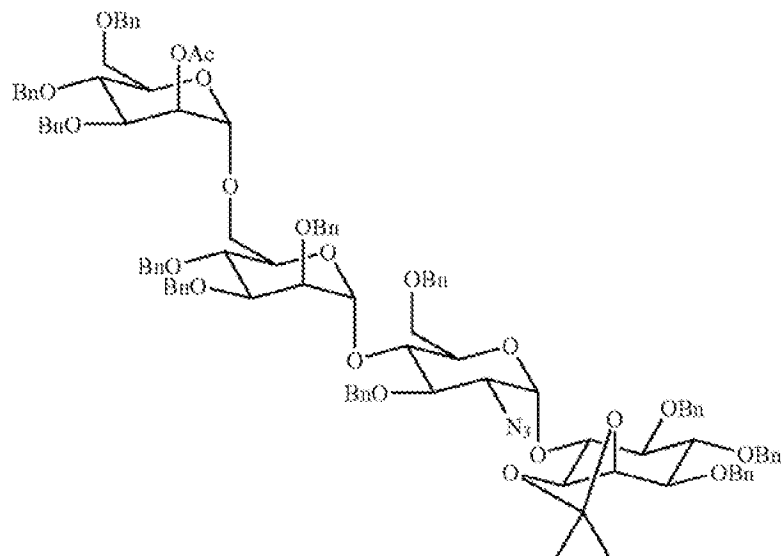
R⁴ represents independently for each occurrence alkyl, aryl, -CH₂-aryl, -C(O)-alkyl, -C(O)-aryl, -Si(alkyl)₃, or -P(O)(OR⁵)₂;

R⁵ represents independently for each occurrence H, Li⁺, Na⁺, K⁺, Rb⁺, Cs⁺, aryl, or an optionally substituted alkyl group; and

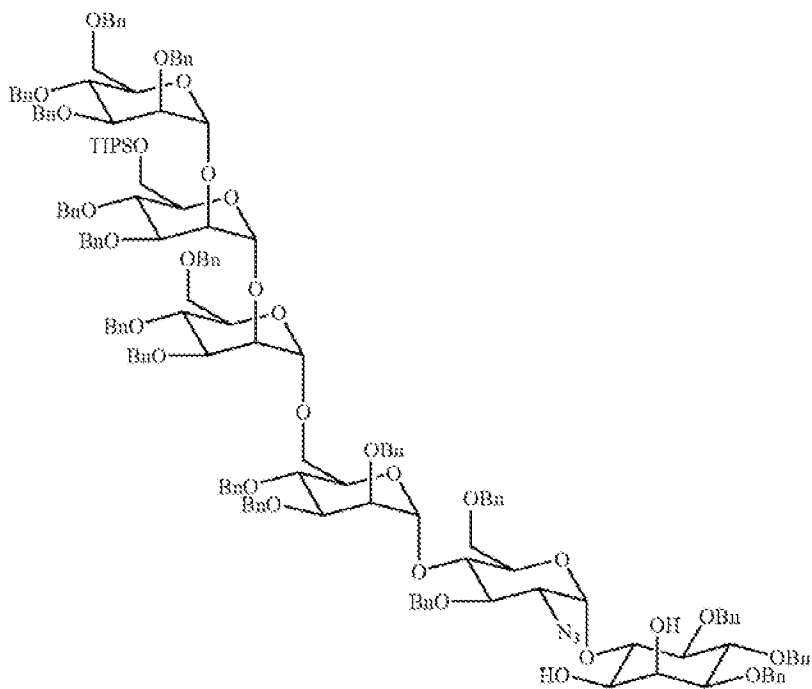
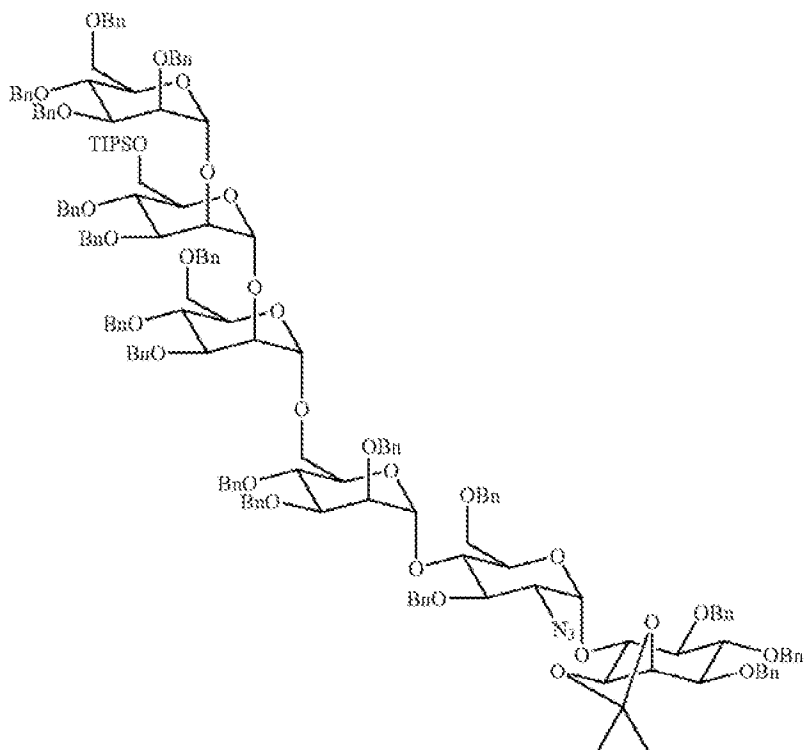
X is a halogen, alkyl carboxylate, or aryl carboxylate.

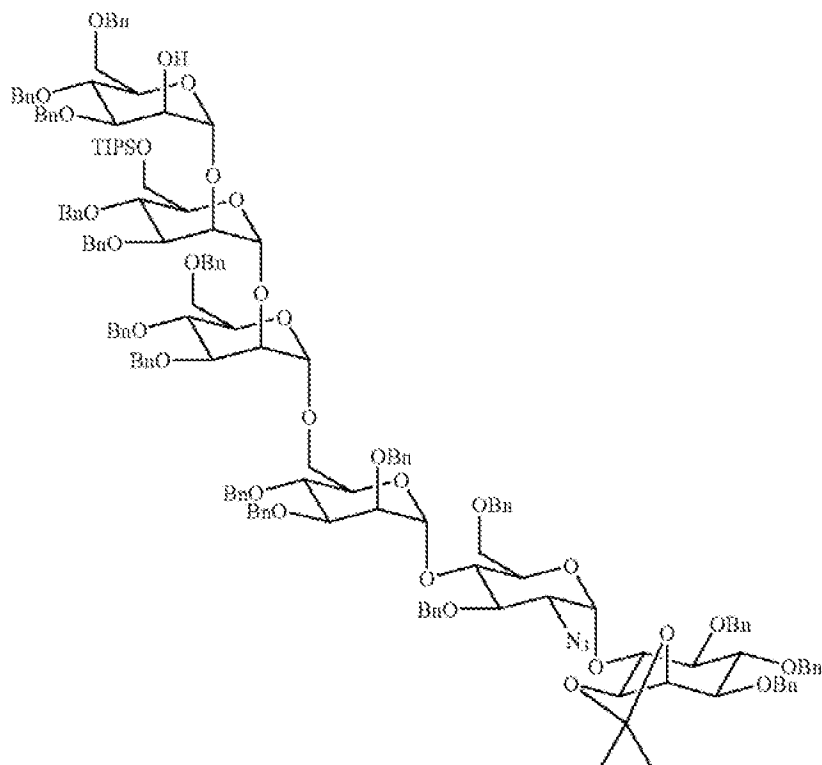
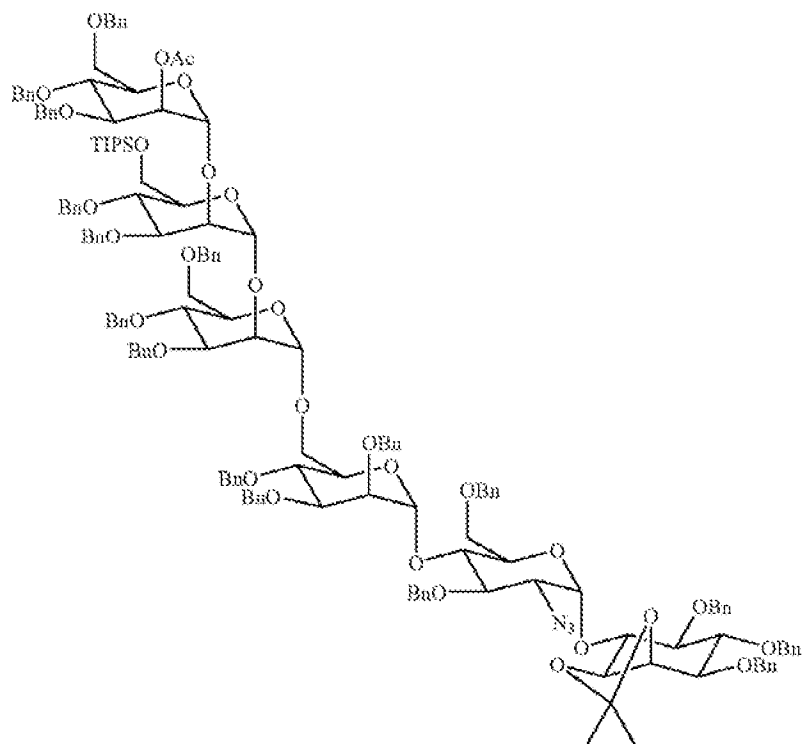
2. **(canceled)**
3. **(original)** The compound of claim 1, wherein n is 3.
4. **(original)** The compound of claim 1, wherein R is H.

5. **(original)** The compound of claim 1, wherein R^1 and R^2 taken together are $P(O)OR^5$.
6. **(original)** The compound of claim 1, wherein R^3 is N_3 .
7. **(original)** The compound of claim 1, wherein R^3 is $-NH_3X$.
8. **(previously presented)** The compound of claim 1, wherein R^4 represents independently for each occurrence $-CH_2Ph$, or $-Si(alkyl)_3$.
9. **(previously presented)** The compound of claim 1, wherein R^4 represents independently for each occurrence $-CH_2Ph$, -or $P(O)OR^5$; and R^5 is an optionally substituted alkyl group.
10. **(currently amended)** A compound selected from the group consisting of:

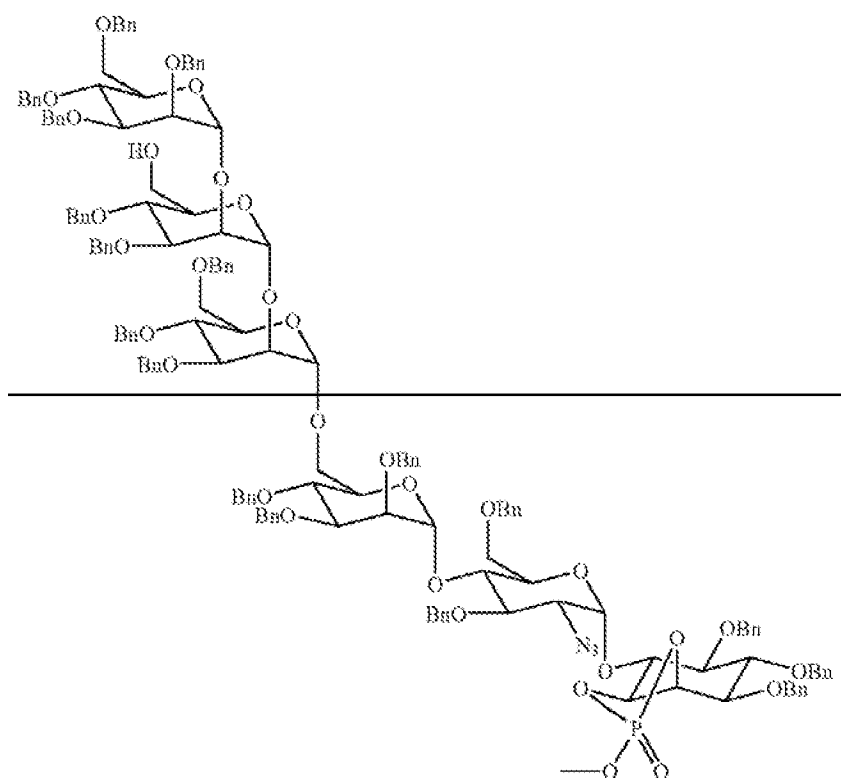


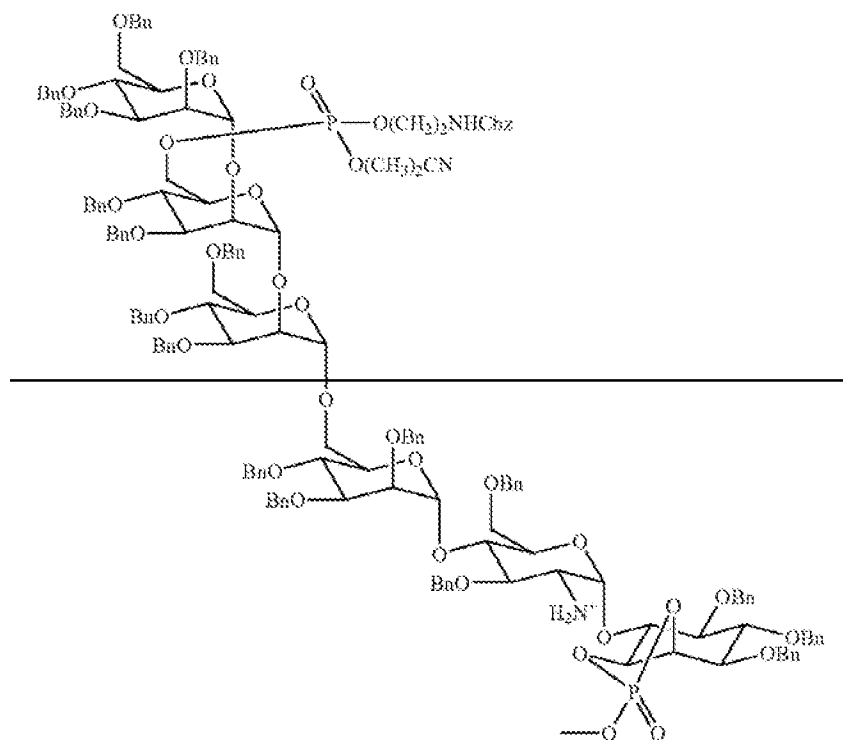
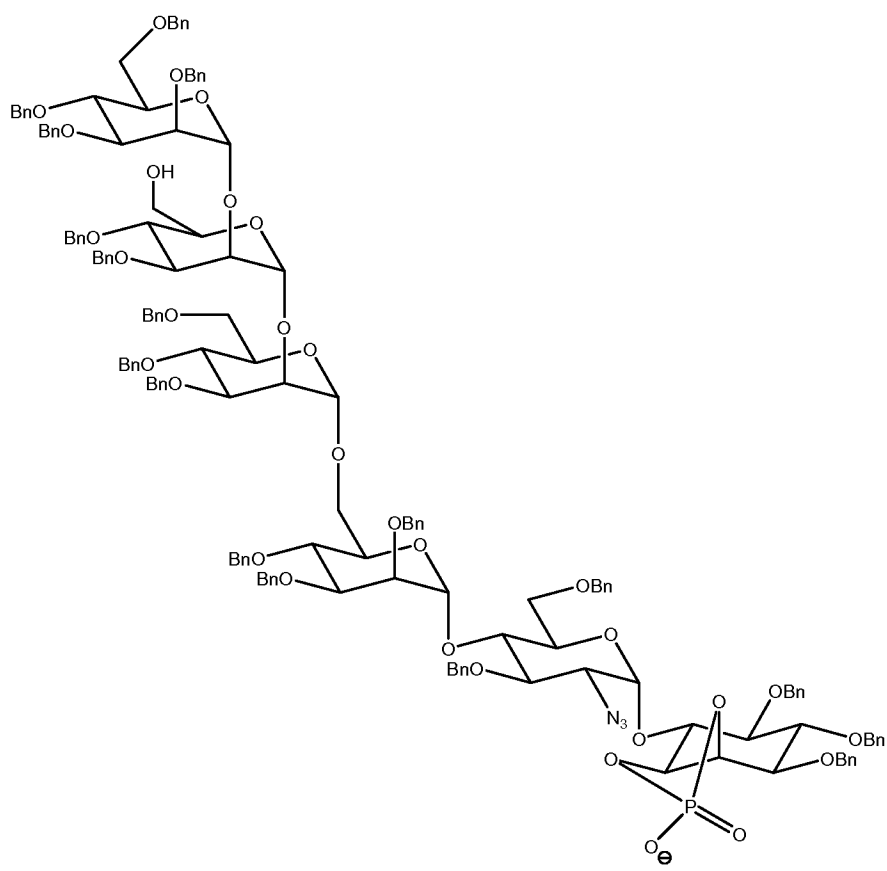


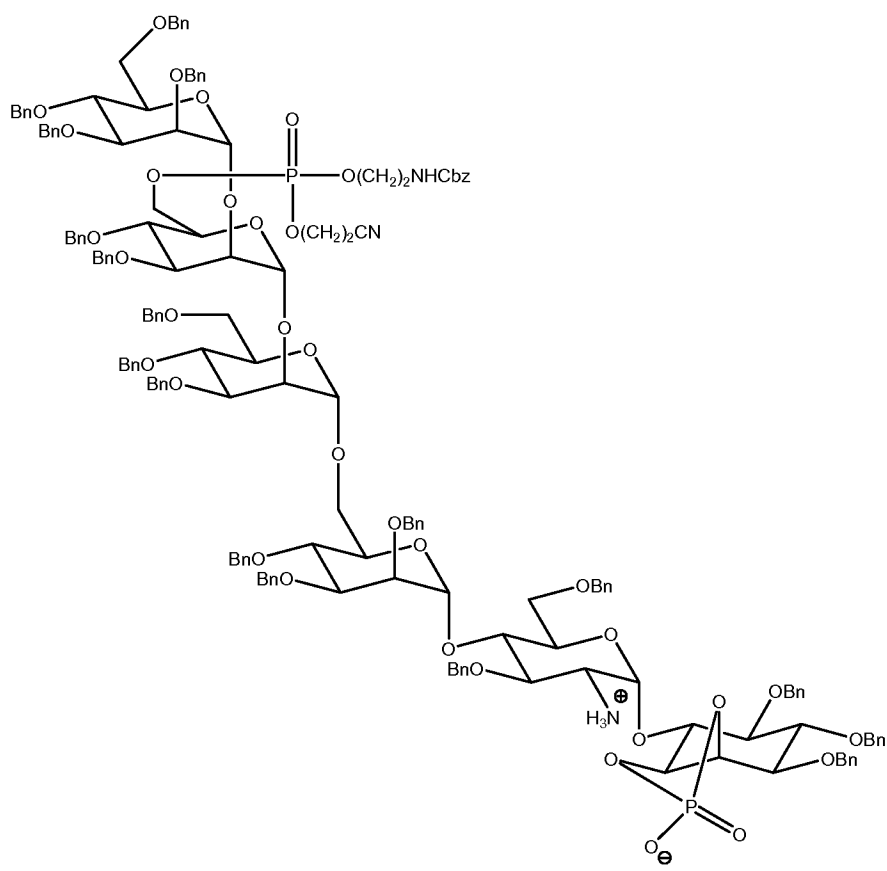


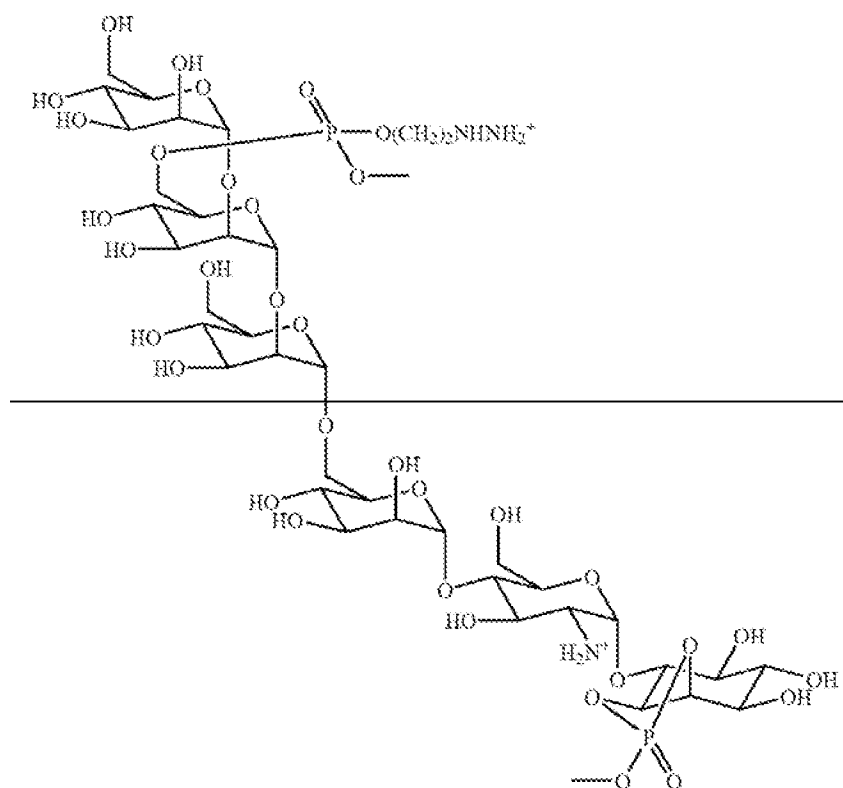


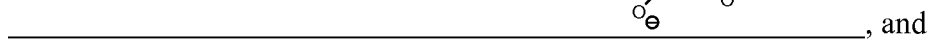


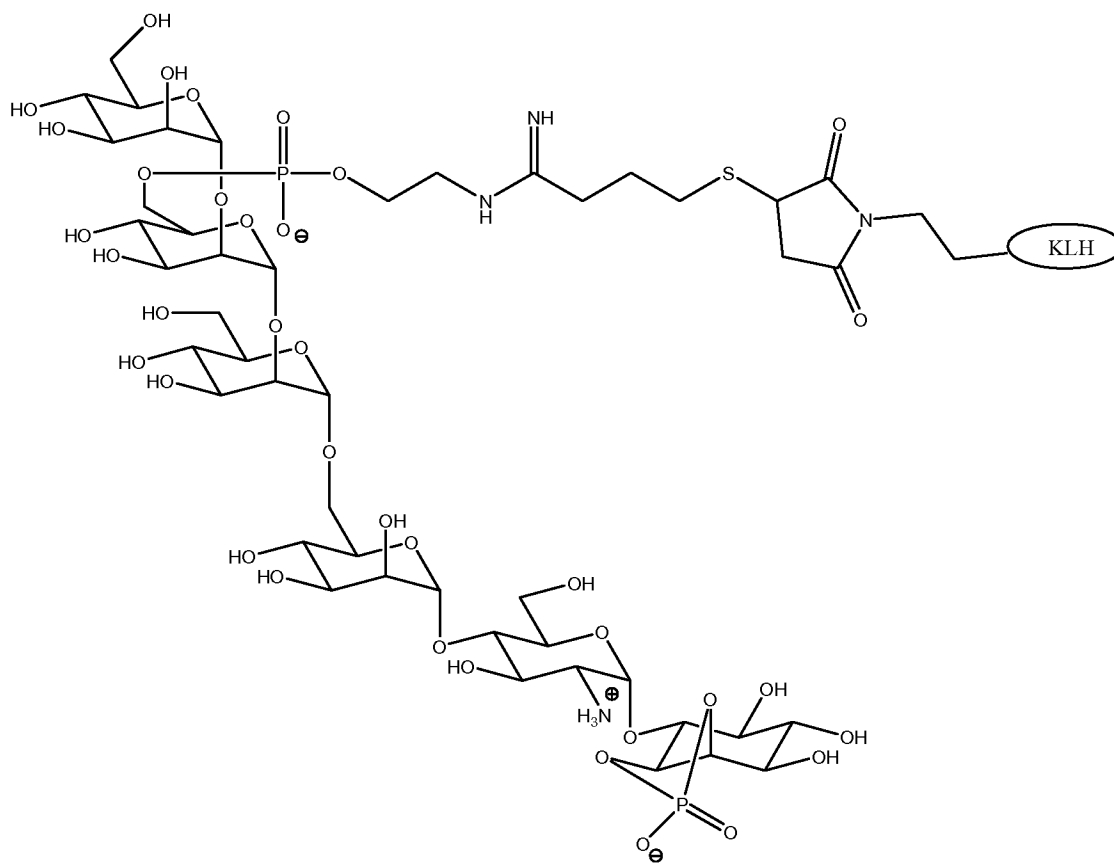




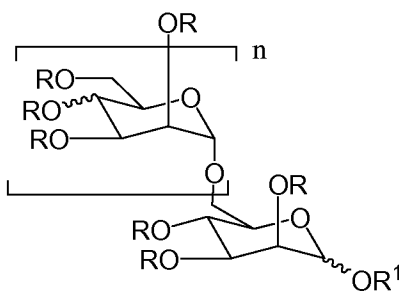








11. (previously presented) A compound represented by formula **II**:



II

wherein,

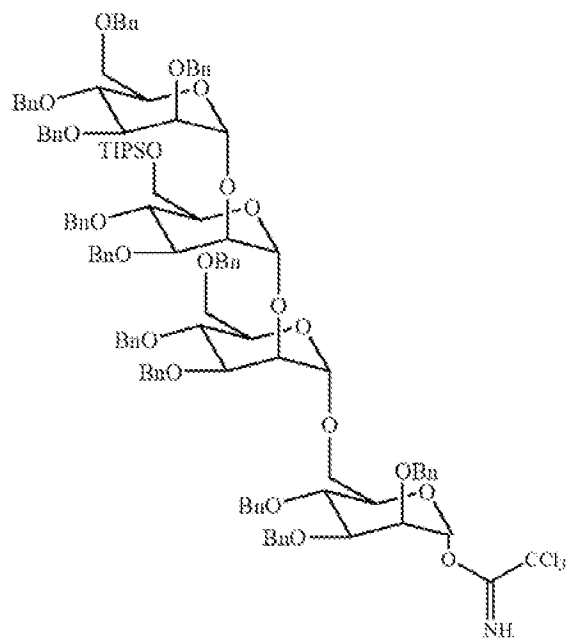
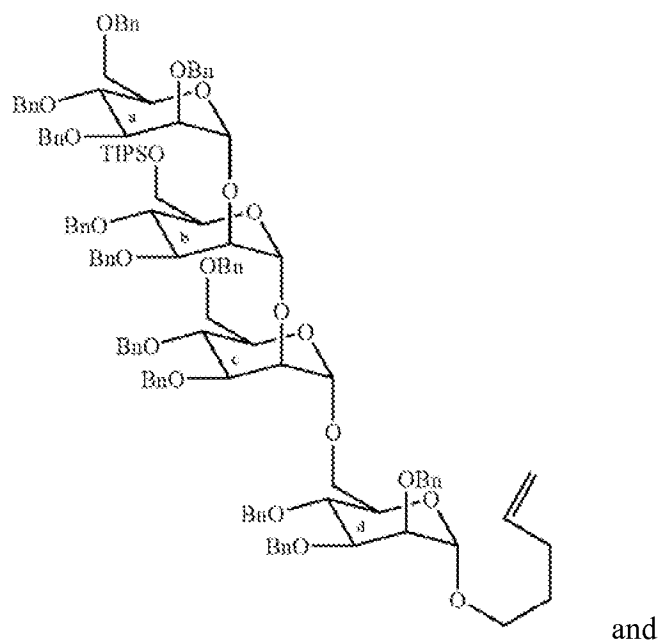
n is 3, or 4;

R represents independently for each occurrence H, alkyl, aryl, -CH₂-aryl, -C(O)-alkyl, -C(O)-aryl, or -Si(alkyl)₃;

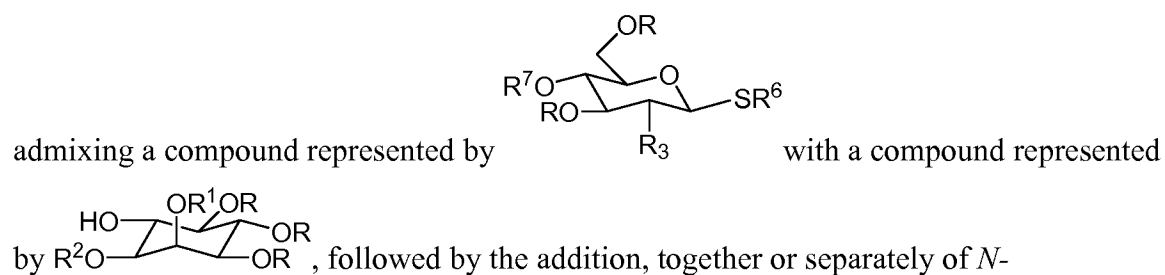
R¹ is -(CH₂)_mCH=CH₂ or trichloroacetimidate; and

m is 1-6.

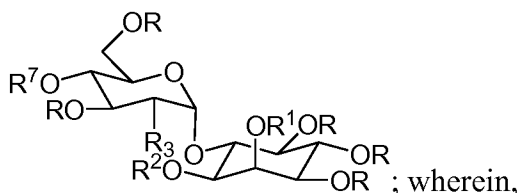
12. **(canceled)**
13. **(original)** The compound of claim 11, wherein n is 3.
14. **(original)** The compound of claim 11, wherein m is 3.
15. **(original)** The compound of claim 11, wherein R represents independently for each occurrence -CH₂-aryl or -Si(alkyl)₃.
16. **(original)** The compound of claim 11, wherein R represents independently for each occurrence benzyl or -Si(iPr)₃.
17. **(previously presented)** The compound of claim 11, wherein R¹ is trichloroacetimidate and R represents independently for each occurrence benzyl or -Si(iPr)₃.
18. **(previously presented)** The compound of claim 11, wherein said compound of formula **II** is selected from the group consisting of:



19. **(previously presented)** A method comprising the step of:



iodosuccinimide and silver triflate, thereby forming a compound represented by



R represents independently for each occurrence H, alkyl, aryl, -CH₂-aryl, -C(O)-alkyl, -C(O)-aryl, or -Si(alkyl)₃;

R¹ and R² are independently H, -CH₂-aryl, -C(O)-alkyl, -C(O)-aryl, -Si(alkyl)₃; or R¹ and R² taken together are C(CH₃)₂, P(O)OH, or P(O)OR⁵;

R³ is amino, -N₃, or -NH₃X;

R⁵ represents independently for each occurrence H, Li⁺, Na⁺, K⁺, Rb⁺, Cs⁺, aryl, or an optionally substituted alkyl group;

R⁶ is alkyl or aryl;

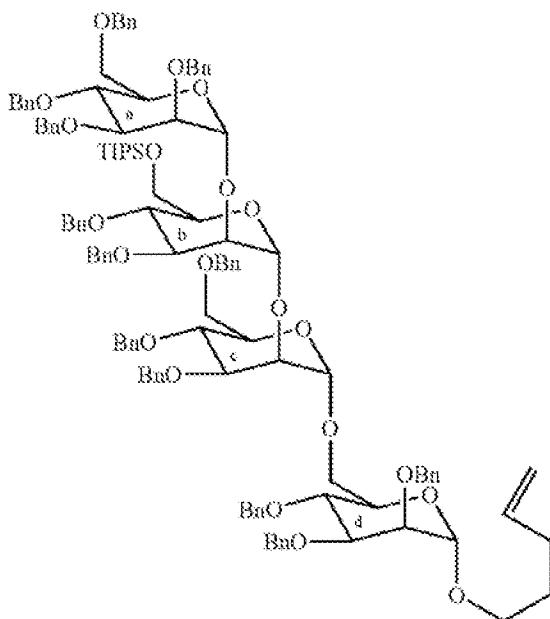
R⁷ is alkyl, aryl, -CH₂-aryl, -C(O)-alkyl, -C(O)-aryl, or -Si(alkyl)₃; and

X is a halogen, alkyl carboxylate, or aryl carboxylate.

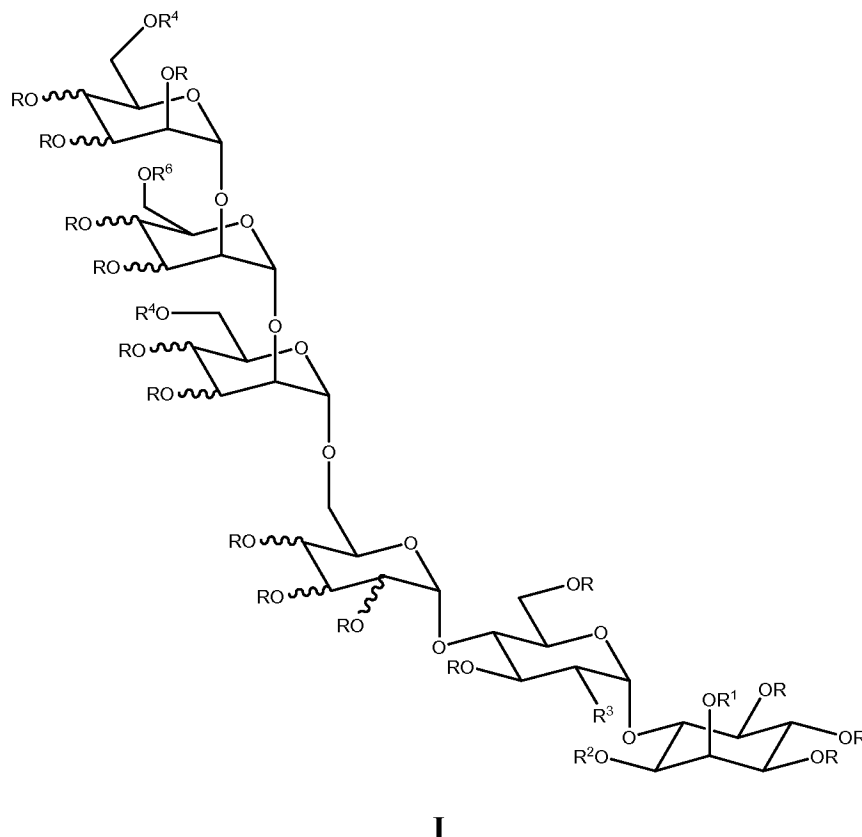
20. **(original)** The method of claim 19, wherein R is -CH₂-aryl.
21. **(original)** The method of claim 19, wherein R¹ and R² taken together are C(CH₃)₂.
22. **(original)** The method of claim 19, wherein R³ is -N₃.
23. **(original)** The method of claim 19, wherein R⁶ is alkyl.
24. **(original)** The method of claim 19, wherein R⁷ is -C(O)-alkyl.
25. **(original)** The method of claim 19, wherein R is benzyl, R¹ and R² taken together are C(CH₃)₂, and R³ is -N₃.
26. **(original)** The method of claim 19, wherein R is benzyl, R¹ and R² taken together are C(CH₃)₂, R³ is -N₃, and R⁶ is ethyl.
27. **(previously presented)** A method of preparing a tetrasaccharide, comprising the steps of:

covalently binding a mannopyranoside to a solid support to provide a first substrate, reacting said first substrate with a mannopyranose trichloroacetimidate to give a disaccharide bound to said solid support, reacting said disaccharide with a mannopyranose trichloroacetimidate to give a trisaccharide bound to said solid support, reacting said trisaccharide with a mannopyranose trichloroacetimidate to give a tetrasaccharide bound to said solid support, and cleaving said tetrasaccharide from said solid support.

28. **(original)** The method of claim 27, wherein said mannopyranoside is bound to said solid support through a glycosidic linkage.
29. **(original)** The method of claim 27, wherein said tetrasaccharide is cleaved from said solid support using Grubbs' catalyst.
30. **(previously presented)** The method of claim 27, wherein said tetrasaccharide is



31. (new) A compound represented by formula I:



wherein,

R represents independently for each occurrence H, alkyl, aryl, -CH₂-aryl, -C(O)-alkyl, -C(O)-aryl, or -Si(alkyl)₃;

R¹ and R² are independently H, -CH₂-aryl, -C(O)-alkyl, -C(O)-aryl, -Si(alkyl)₃; or R¹ and R² taken together are C(CH₃)₂, P(O)OH, or P(O)OR⁵;

R³ is amino, -N₃, or -NH₃X;

R⁴ represents independently for each occurrence H, alkyl, aryl, -CH₂-aryl, -C(O)-alkyl, -C(O)-aryl, -Si(alkyl)₃, or -P(O)(OR⁵)₂;

R⁵ represents independently for each occurrence H, Li⁺, Na⁺, K⁺, Rb⁺, Cs⁺, aryl, or an optionally substituted alkyl group; and

R⁶ represents independently for each occurrence alkyl, aryl, -CH₂-aryl, -C(O)-alkyl, -C(O)-aryl, -Si(alkyl)₃, or -P(O)(OR⁵)₂;

X is a halogen, alkyl carboxylate, or aryl carboxylate.

32. (new) The compound of claim 31, wherein R is H.
33. (new) The compound of claim 31, wherein R¹ and R² taken together are P(O)OR⁵.
34. (new) The compound of claim 31, wherein R³ is -NH₃X.
35. (new) The compound of claim 31, wherein R⁴ is H.
36. (new) The compound of claim 31, wherein R⁶ is -P(O)(OR⁵)₂.
37. (new) The compound of claim 31, wherein R is H; R¹ and R² taken together are P(O)OR⁵; R³ is -NH₃X; R⁴ is H; and R⁶ is -P(O)(OR⁵)₂.